Index of Claims

| Application/Control No. | Applicant(s)/Patent under Reexamination |  |
|-------------------------|---|--|
| 10/078,373              | MENZEL ET AL.                           |  |
| Examiner                | Art Unit                                |  |
| Kallambella Vijayakumar | 1751                                    |  |

| / | Rejected | ı | (Through numeral)<br>Cancelled |
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| = | Allowed  | ÷ | Restricted                     |

| N | Non-Elected  | A |
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| _ | Interference | 0 |

| A | Appeal   |
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| Cla          | aim             | Date                         |          |          |          |          |          |              | Claim Date .    |  |     |              |          |                     | Claim Date |          |  |                     |          |          |     |       |          | ٦        |          |   |              |          |          |                   |                   |          |
|--------------|-----------------|------------------------------|----------|----------|----------|----------|----------|--------------|-----------------|--|-----|--------------|----------|---------------------|------------|----------|--|---------------------|----------|----------|-----|-------|----------|----------|----------|---|--------------|----------|----------|-------------------|-------------------|----------|
|              | <del>-</del>    |                              |          | 5        |          |          |          |              |                 |  |     |              | al       |                     |            |          |  |                     |          |          |     |       | 16       |          | Т        | Т   | Т            | Т        |          |                   | П                 | П        |
| Finat        | Original        |                              |          | 11/8/05  |          |          |          |              |                 | l  |     | Final        | Original | ll                  |            |          |  | ll                  |          |          |     | Final | Original |          |          |   | -1           | - 1      | ł        |                   |                   |          |
| ίŒ           | ٦               | 1                            |          | 11/      |          |          |          |              |                 |  |     | 证            | Ĕ        | ı                   | - 1        | - 1      |  |                     | - 1      |          |     | ίĒ    | )ri      |          |          |   | -1           | - 1      | - 1      | - 1               |                   |          |
|              | L               | _                            |          |          |          |          |          |              |                 |  |     |              |          |                     |            |          |  |                     |          | $\perp$  |     |       | L        |          |          |   | -1           | - 1      | - 1      |                   |                   |          |
|              | 1               |                              |          |          |          |          |          |              |                 |  |     |              | _51      | П                   |            | Т        |  |                     |          |          |     |       | 101      | П        | $\neg$   | ┪   | 7            | ヿ        | T        | T                 | ヿ                 |          |
|              | 1               |                              |          |          |          |          |          |              |                 |  |     |              | 52       | П                   | T          |          | П  | П                   | П        |          |     |       | 102      | П        | $\neg$   | 7   | T            | T        |          |                   | ヿ                 | П        |
|              | 13              |                              |          |          |          |          | Г        | Г            | П               |  |     |              | 53       | П                   | T          | T        |  | П                   | 1        | $\top$   |     |       | 103      |          |          | 十   | す            | 7        | $\neg$   | _                 | 寸                 |          |
|              | 4               |                              |          |          |          |          |          |              |                 |  |     |              | 54       | П                   | П          | $\Box$   | Τ  | П                   | T        |          |     |       | 104      | 一        | 丁        | 十   | ┪            | $\neg$   | 寸        | 1                 | ヿ                 | ヿ        |
|              | <b>  \$</b>     | П                            | Γ        |          |          |          |          |              |                 |  |     |              | 55       | П                   | Т          |          | Т  | П                   |          | $\top$   |     |       | 105      | T        | 丁        | 7   | _            | ┪        |          | ┪                 | 寸                 | ᄀ        |
|              | 6               | П                            |          |          |          | Γ        |          | Г            |                 |  |     |              | 56       | П                   | 丁          | 7        |  | П                   |          | $\Box$   |     |       | 106      |          | $\neg$   | 十   | ┪            | ┪        | 7        | T                 | ヿ                 |          |
| 3            | 7               | Γ                            | Г        | =        |          |          |          | Π            |                 |  |     |              | 57       |                     | T          | 十        |  |                     | $\top$   | $\top$   |     |       | 107      | $\Box$   | _        | 十   | 7            | 寸        | $\dashv$ | ┪                 | ヿ                 |          |
|              | 8               | Г                            |          |          |          |          |          |              |                 |  |     |              | 58       | П                   | 寸          |          |  | П                   | 一        | $\top$   |     |       | 108      | T        | _        | 十   | 7            | 7        | $\dashv$ | 7                 | ヿ                 | $\neg$   |
|              | 9               | Т                            | Г        |          |          |          | Г        | T            | П               |  |     |              | 59       | П                   | $\top$     | T        | $\top$   | П                   | _        | $\top$   |     |       | 109      | $\dashv$ | +        | +   | +            | ┪        | $\dashv$ | ┪                 | ᅥ                 | $\neg$   |
|              | 10              |                              | Г        |          |          |          |          |              |                 |  |     |              | 60       |                     | 7          | 十        |  | $\Box$              |          | $\top$   |     |       | 110      | $\dashv$ | 十        | $\top$  | ╅            | ┪        | +        | ┪                 | $\dashv$          | ᅱ        |
|              | 11              | Т                            | Г        |          |          |          |          | Г            | П               |  |     |              | 61       | П                   | 7          |          | 1  | $\Box$              | $\top$   | $\top$   |     |       | 111      | $\neg$   | 十        | 十   | $\dashv$     | 十        | $\dashv$ | ┪                 | $\dashv$          | ᅱ        |
|              | 12              | Т                            |          |          |          |          | 1        | Г            | П               | П  |     |              | 62       | П                   | $\top$     | 十        | $\top$   | $\sqcap$            | $\dashv$ | $\dashv$ |     |       | 112      | ┪        | $\dashv$ | 十   | +            | +        | _        | 十                 | 十                 | $\dashv$ |
|              | 14              | T                            |          |          |          |          | ┢        | Т            | T               |  |     |              | 63       | $\sqcap$            | +          | ╅        | $\top$   | Н                   | $\dashv$ | +        |     |       | 113      | $\vdash$ | $\dashv$ | $\top$  | +            | +        | $\dashv$ | _                 | 十                 | ᅱ        |
| 1            | (4)             | г                            | П        | =        | $\Box$   |          | ✝        | Т            | $\Box$          | $\vdash$   |     |              | 64       | H                   | $\dashv$   | 十        | 1  | $\forall$           | +        | +-       |     |       | 114      | ┪        | $\dashv$ | +   | +            | +        | $\dashv$ | $\dashv$          | $\dashv$          | ᅱ        |
| 2            | 15              | T                            | T        | ļ        |          |          | ┪        | Т            | Ħ               |  |     | <b></b>      | 65       | Н                   | 十          | +        | +  | H                   | -        | +        |     |       | 115      | Н        | $\dashv$ | +   | ╅            | ┪        | $\dashv$ | $\dashv$          | $\dashv$          | ᅱ        |
|              | 16              | T                            | Н        |          | _        | $\vdash$ |          | 一            | Ħ               | <del>                                     </del> |     | $\vdash$     | 66       | Н                   | +          | $\dashv$ | +  | $\vdash$            | +        | +        | *** |       | 116      | $\dashv$ | $\dashv$ | -+-   | ╅            | ┪        | $\dashv$ | ┪                 | $\dashv$          | ᅱ        |
|              | 17              |                              | $\vdash$ | Н        | Н        | Н        | ┢        | T            | $\vdash$        | ┢  |     | $\vdash$     | 67       | 1                   | $\dashv$   | +        | +-   | $\vdash$            | $\dashv$ | +        |     |       | 117      | $\vdash$ | +        | +   | +            | ┪        | $\dashv$ | -                 | $\dashv$          | $\dashv$ |
| $\vdash$     | 1B              | ╁                            | $\vdash$ | $\vdash$ |          | $\vdash$ | ┢        | $\vdash$     | $\vdash$        | $\vdash$   |     | <u> </u>     | 68       | $\vdash$            | +          | +        | +-   | $\vdash$            | +        | +        |     |       | 118      | $\dashv$ | +        | +   | ╅            | -+       | $\dashv$ | +                 | $\dashv$          | ᅱ        |
| <u> </u>     | 15              |                              | $\vdash$ | H        | -        | ┝        | ┢        | $\vdash$     | $\vdash$        | $\vdash$   |     | ├─           | 69       | Н                   | +          | +        | +  | $\vdash$            | +        | ┰        |     |       | 119      | $\vdash$ | +        | ┰   | ╅            | ┥        | $\dashv$ | $\dashv$          | $\dashv$          | -        |
| _            | 20              | ╁                            | Η-       | ┝        | $\vdash$ | ┢        | ┢        | H            | $\vdash$        | -  |     | $\vdash$     | 70       | $\vdash$            | +          | +        | +  | $\vdash$            |          | +        |     |       | 120      | $\dashv$ | +        | ┿   | ┰            | ┥        | $\dashv$ | ┥                 | $\dashv$          | $\dashv$ |
| $\vdash$     | 21              | $\vdash$                     | -        | -        | $\vdash$ | $\vdash$ | $\vdash$ | H            | $\vdash$        | ┝  |     | $\vdash$     | 71       | ┝                   | ╅          | +        | +  | ⊢                   | +        | +        |     |       | 121      | $\vdash$ | +        | ┿   | +            | +        | $\dashv$ | $\dashv$          | $\dashv$          | $\dashv$ |
|              | <del>  35</del> | H                            | $\vdash$ | Н        | _        | 1        | $\vdash$ | H            | $\vdash$        | ┝  |     | $\vdash$     | 72       | ┰                   | ┰┼         | ┰        | +  | $\vdash$            | +        | +        |     |       | 122      | $\vdash$ | $\dashv$ | ┿   | +            | ┵        | $\dashv$ | $\dashv$          | -+                | $\dashv$ |
| <del></del>  | 22<br>23        | ┢                            | $\vdash$ | H        | -        | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash$        | ┝  |     | ┝            | 73       | $\vdash$            | ╁          | ┰        | +  | $\vdash$            | +        | +        |     |       | 123      | $\dashv$ | +        | +   | +            | $\dashv$ | +        | +                 | $\dashv$          | $\dashv$ |
|              | 24              | ┢                            |          |          | _        | -        | $\vdash$ | ╁            | $\vdash$        | $\vdash$   |     | <b></b>      | 74       | $\vdash$            | +          | +-       | ╁  | Н                   | -        | +        |     |       | 124      | -        | +        | +   | -+           | -        | +        | $\dashv$          | $\dashv$          | $\dashv$ |
| ┢            | 25              | ┢                            | H        | Н        | $\vdash$ | Н        | -        | ╁            | ⊢               | Н  |     | ┝─┤          | 75       | $\vdash$            | +          |          | ╂╌   | $\vdash$            | -        | +        |     |       | 125      |          | +        | +   | +            | +        | +        | +                 | $\dashv$          | ᅱ        |
| $\vdash$     | 26              | ╁╌                           | Н        | -        | _        | Н        | ┢╌       | ├            | ╌               | Н  |     | ┝──          | 76       | $\vdash$            | +          |          | +  | $\vdash$            | +        | +        |     |       | 126      |          | $\dashv$ | +   | +            | +        | +        | -                 | $\dashv$          | ᅴ        |
|              | 27              | ┢╾                           | Н        | Н        |          | Н        | ┝╌       | ╁╾           | H               | Н  |     | <u> </u>     | 77       | $\vdash$            | +          | +-       | +-   | $\vdash$            | +        | +        |     |       | 127      | $\dashv$ | $\dashv$ | +   | +            | +        | $\dashv$ | $\dashv$          | $\dashv$          | ᅱ        |
| <b>—</b> —   | 28              | ┢                            | Н        | Н        | -        | Н        | ┝        | $\vdash$     | H               | $\vdash$   |     | $\vdash$     | 78       | $\vdash$            | ╁          | +-       | ╁─   | $\vdash$            | -        | +        |     |       | 128      | $\dashv$ | +        | +   | +            | +        | +        | +                 | $\dashv$          | ᅱ        |
| $\vdash$     | 29              | ┢                            | Н        |          | $\vdash$ | Н        | ⊢        | $\vdash$     | $\vdash$        | Н  |     | $\vdash$     | 79       | $\vdash$            | +          | +        | +  | -                   | +        | +        |     |       | 129      | $\dashv$ | -        | +   | +            | $\dashv$ | +        | -                 | -                 | ᅱ        |
|              | 30              | ┢┈                           | Н        | Н        |          | Н        | ⊢        | ╌            | H               | Н  |     | $\vdash$     | 80       | $\vdash$            | +          | +        | ╂  | $\vdash$            | +        | +        |     |       |          |          | -        | +   | +            | +        | $\dashv$ |                   | -                 | _        |
| ├—           | 31              | ┢                            |          |          | -        | Н        | ├        | ⊢            | ⊢               | Н  |     | ├—           | 81       | $\vdash$            | +          | -        | ╂  | $\vdash$            | +        |          |     | _     | 130      |          | +        | +   | +            | 4        | -        | -                 | $\dashv$          | _        |
|              | 32              | Ͱ                            | Н        | Н        | _        | Н        | ⊢        |              | H               | Н  |     | $\vdash$     | 82       | $\vdash$            | +          |          | ╀  | $\vdash$            | $\dashv$ | +        |     |       | 131      | _        | +        | 4   | 4            | -        | 4        | -                 | 4                 | _        |
| -            | 33              | ├                            |          |          |          | Н        | ⊢        | $\vdash$     | -               | Н  | *** | $\vdash$     |          | $\vdash$            | +          | +        | +  | $\vdash$            |          | +        |     |       | 132      | _        | +        | 4   | 4            | 4        | 4        | 4                 | 4                 | _        |
|              | 34              | ┢                            | ┝╌┤      | Н        |          | Н        | ⊢        | $\vdash$     | -               | Н  |     | $\vdash$     | 83       | $\vdash \vdash$     | +          | +        | ╀  | $\vdash \vdash$     | +        | 1        |     |       | 133      | $\dashv$ | +        | +   | 4            | 4        | 4        | 4                 | 4                 | _        |
| $\vdash$     | 35              | ┼                            | $\vdash$ | Н        | H        | Н        | $\vdash$ | -            | H               | Н  |     | <del> </del> | 84       | $\vdash \vdash$     | +          | +        | +  | $\vdash \vdash$     | +        | +        |     | ļ     | 134      | $\dashv$ | +        | 4   | 4            | +        | 4        | 4                 | -                 | _        |
| <u> </u>     |                 | ╁                            | Н        | Н        | H        | Н        | $\vdash$ | -            | Н               | Н  |     | ├            | 85       | $\vdash \vdash$     | +          | +        | +  | $\vdash$            | +        | +        |     |       | 135      | $\dashv$ | 4        | 4   | 4            | 4        | $\dashv$ | 4                 | 4                 | 괵        |
| <u> </u>     | 36              | ⊢                            | Н        | Н        | Н        | Н        | $\vdash$ | <del> </del> | $\vdash$        | Н  |     | <b> </b>     | 86       | $\vdash \downarrow$ | +          | +        | +  | $\vdash \downarrow$ | $\dashv$ | 44       |     |       | 136      | $\dashv$ | $\dashv$ | 4   | 4            | 4        | 4        | 4                 | _                 | 4        |
| <u> </u>     | 37              | $\vdash$                     | $\vdash$ | Н        | Ш        | Н        | $\vdash$ | ├            | $\vdash$        | Н  |     | <u> </u>     | 87       | $\vdash \downarrow$ | +          | 4        | ╂  | $\vdash \downarrow$ | +        | 44       |     |       | 137      | $\sqcup$ | 4        | 4   | 4            | 4        | 4        | 4                 | _                 | _        |
| <u> </u>     | 38<br>39        | ⊢                            | Н        | Н        |          | Н        | $\vdash$ | -            | $\vdash \vdash$ | Н  |     | <u> </u>     | 88       | $\vdash \vdash$     | +          | +        | ╂  | $\sqcup$            | +        | +        |     |       | 138      | $\sqcup$ | 4        | 4   | 4            | 4        | 4        | _                 | 4                 | _        |
| <del> </del> |                 | $\vdash$                     | $\vdash$ | Н        | Н        | Н        | $\vdash$ | 1            | Н               | Н  |     | ļ            | 89       | $\vdash \vdash$     | +          | +        | $\vdash$   | $\dashv$            | _        | 44       |     |       | 139      | $\sqcup$ | $\dashv$ | 4   | 4            | 4        | 4        | _                 | <b>ᆜ</b>          | ᅬ        |
| <u> </u>     | 40              |                              | Н        | Н        | Ш        | Н        | $\vdash$ | $\vdash$     | Н               | Щ  |     | ļ            | 90       | $\vdash \downarrow$ | +          | +        | +  | $\dashv$            | _        | 44       |     |       | 140      | $\Box$   | +        | 4   | 4            | 4        | $\dashv$ | 4                 | _                 | _        |
| <u> </u>     | 41              | ├-                           | Щ        | Ш        | Щ        | Ш        | $\vdash$ | Н            | Щ               | Щ  |     |              | 91       | $\sqcup$            | 4          | 4        | $\perp$  | $\sqcup$            | $\bot$   | 44       |     |       | 141      | $\Box$   | $\bot$   | $\bot$  | 4            | 4        | 4        | 4                 |                   | $\Box$   |
| <b></b>      | 42              | <del> </del>                 | $\vdash$ | Ш        |          | Щ        | <u> </u> | Н            | Н               | Щ  |     |              | 92       | $\sqcup$            | 4          | _        | +  | $\sqcup$            | _        | 4-4      |     |       | 142      |          | $\perp$  | 4   | $\downarrow$ | 4        |          | 4                 | <b>ᆜ</b>          |          |
| <u> </u>     | 43              | ₩                            | Щ        | Щ        |          | Щ        | ├_       | Ш            | Щ               | Щ  |     |              | 93       | $\sqcup$            | 4          | _        | ┷  | $\sqcup$            |          | 44       |     |       | 143      | Ц        | $\perp$  | _   | $\downarrow$ | 4        | _        |                   | [                 |          |
|              | 44              | ⊢                            | Ш        | Щ        |          | Ш        | $\vdash$ | Ц            | Ш               | Ш  |     |              | 94       | Щ                   | -          | 4-       |  | $\sqcup$            |          | $\perp$  |     |       | 144      | $\Box$   |          | ┙   |              | _[       |          | _[                | $\bot$            |          |
| <u> </u>     | 45              | ┞                            | Щ        | Щ        |          | Щ        | Ш        | Щ            | Щ               | Ш  |     |              | 95       | $\sqcup$            | 4          | 4        | $\bot$   | Ц                   |          |          |     |       | 145      | $\Box$   |          | لَـــــــــــــــــــــــــــــــــــــ   |              | _[       |          | [                 | $oldsymbol{\bot}$ |          |
|              | 46              | <u> </u>                     | Щ        | Щ        |          | Щ        | Щ        | Щ            | Щ               | Щ  |     |              | 96       | Щ                   | $\bot$     | 4_       | 1_   | Ц                   | $\perp$  | $\perp$  |     |       | 146      |          |          | ╝   |              |          |          | $oldsymbol{\bot}$ | $oldsymbol{\bot}$ |          |
| <u> </u>     | 47              | $ldsymbol{ldsymbol{\sqcup}}$ | Ш        |          |          | Ш        | Щ        | Ш            | Ш               | Щ  |     | Ь            | 97       | Щ                   | 4          |          | $\bot$   | Ц                   |          | $\perp$  |     |       | 147      |          | $\prod$  | $\perp$   |              | $\bot$   |          | $\Box$            | $\Box$            |          |
|              | 48              | <u> </u>                     | Щ        | Ш        |          | Щ        | Ц.       | Ш            | Ш               | Щ  |     |              | 98       | Ц                   | 4          | 4        | $\perp$  | $\Box$              |          |          |     |       | 148      |          | $\prod$  | $\perp$   | $\perp$      | $\bot$   | $\Box$   | $\bot$            | $\Box$            |          |
| <u> </u>     | 49              | L                            | Ш        | Ш        |          | Ш        |          | Ш            | Ш               | Ш  |     | لــــا       | 99       | Ш                   | $\perp$    | $\perp$  | $oldsymbol{ol}}}}}}}}}}}}}}}}}}}}$ | Ш                   |          |          |     |       | 149      |          | $\Box$   | $oldsymbol{ol}}}}}}}}}}}}}}}$ |              | $\Box$   |          | J                 | $\Box$            |          |
| L            | 50              |                              |          |          |          |          |          |              | l Ì             |  | *** | 1 ]          | 100      | ıΤ                  | T          |          |  | П                   |          |          |     |       | 150      |          |          | Т   | Т            | T        |          | Т                 | Т                 | П        |